

## INDEX

- Adinandra intermedia*, 153, 157  
 — *mannii*, 153, 154, 155  
 — *schliebenii*, 153, 156  
*Adinandropsis*, 154  
 — *sp.*, 157  
*Agyneia berterii*, 14  
 Amazon Indian and Evolution in *Hevea*  
 and Related Genera, The, 123  
*Andrachne*, 340, 341  
 — *arborea*, 14  
 — *pumila*, 349  
 Apple Trees, The Mechanism of Con-  
 trolled Growth of Dwarf, 307  
*Archboldiodendron*, 153  
 Arnold Arboretum during the Fiscal Year  
 Ended June 30, 1956, The. The Direc-  
 tor's Report, 375  
*Arundo mitis*, 192  
*Astrocasia*, 340, 341
- Baeckea crenulata*, 82  
 BAILEY, I. W. Nodal Anatomy in Retro-  
 spect, 269  
 BAILEY, I. W. The Relationship between  
*Sphenostemon* of New Caledonia and  
*Nouhuysia* of New Guinea, 360  
 Bamboo Genus *Phyllostachys* and Some  
 Nomenclatural Notes, New Species in  
 the, 180  
*Bambusa castilloni*, 192  
 — *edulis*, 189  
 — *mitis*, 192  
 — *puberula*, 194  
 — *reticulata*, 187  
 — *sulphurea*, 193  
 Bibliography of E. D. Merrill's Publica-  
 tions, 1945-1955, 213  
 Bibliography of the Published Writings  
 of the Staff and Students July 1, 1955-  
 June 30, 1956, 401  
 Boraginaceae, Studies in the, XXVIII.  
 New or Otherwise Interesting Species  
 from America and Asia, 288  
*Bourreria rowellii*, 293
- Cananga odorata*, The Conduplicate Car-  
 pel of, 366  
*Chascotheca*, 341  
*Cicca*, 344  
*Coccoloba*, Studies of the Genus, II. The  
 Identification of *Coccoloba swartzii*  
 Meisner and *Coccoloba barbadensis*  
 Jacquin and Their Relatives, 317  
*Coccoloba barbadensis*, 324  
 — *børgesenii*, 337  
 — — *ovato-lanceolata*, 337  
 — *borinquensis*, 328  
 — × *boxii*, 329  
 — *coronata*, 324  
 — *diversifolia*, 324  
 — *klotzschiana*, 332  
 — *krugii*, 337  
 — *kunthiana*, 335  
 — *leonardii*, 339  
 — *microstachya*, 332  
 — — *lanceolata*, 332  
 — — *ovalifolia*, 332  
 — — *rotundifolia*, 332  
 — *neglecta*, 324  
 — *obtusifolia*, 332  
 — *parvifolia*, 332  
 — *pirifolia*, 335  
 — *punctata*, 324, 332  
 — — *jacquini*, 335  
 — *pyrifolia*, 335  
 — *swartzii*, 324  
 — — *portoricensis*, 324  
 — — *pubescens*, 326  
 — — *urbaniana*, 328  
 — *urbaniana*, 328  
*Coccolobis borinquensis*, 328  
 — *boxii*, 329  
 — *pirifolia*, 335  
*Coldenia conspicua*, 300  
 — *dichotoma*, 299  
 — *elongata*, 300  
 — *ferreyrae*, 296, 299  
 — *grandiflora*, 299  
 — *litoralis*, 300  
 — *paronychioides*, 300  
 — *simulans*, 298, 299  
 Conami, 345  
 Conduplicate Carpel of *Cananga odorata*,  
 The, 366  
 Controlled Growth of Dwarf Apple Trees,  
 The Mechanism of, 307  
*Cordia buchii*, 289  
 — *gharaf*, 292  
 — *lauta*, 288  
 — *lippoides*, 290  
 — *munda*, 290  
 — *nesophila*, 289  
 — *rothii*, 292

- Cordia salvifolia*, 289  
 — *sinensis*, 292  
 — *subopposita*, 292  
 — *vargasii*, 291  
*Cornus gharaf*, 292  
 — *sanguinea*, 292  
*Craniospermum echioides*, 302  
 — *mongolicum*, 302  
 — *parviflorum*, 305  
 Cunurí, 123, 134, 138, 139, 140  
  
*Deutzia godohokeri*, 42  
 — *staminea*, 82, 83  
*Diasperus*, 343  
 — *carolinensis*, 347  
 — *heliotropus*, 355  
 — *hyssopifolius*, 353  
 DICKSON, A. Q. and EDMUND W. SAMUELS. The Mechanism of Controlled Growth of Dwarf Apple Trees, 307  
 DICKSON, ALAN Q. and KARL SAX. Phloem Polarity in Bark Regeneration, 173  
*Diploloma echioides*, 302  
 Director's Report, The. The Arnold Arboretum during the Fiscal Year Ended June 30, 1956, 375  
 Dwarf Apple Trees, The Mechanism of Controlled Growth of, 307  
  
 Elmer Drew Merrill 1876–1956, 197  
*Eritrichium nemorosum*, 305  
 — *ovalifolium*, 305  
*Eugenia uniflora*, 82  
*Euphorbia ludoviciana*, 349  
 Euphorbiaceae, Phyllanthoideae II. The American Species of *Phyllanthus* Described by Linnaeus, Studies of the, 1  
*Exocarpus epiphyllanthus*, 12  
  
*Fabricia laevigata*, 82  
 — *myrtifolia*, 83  
 FAULL, J. H. A Rust on *Woodwardia fimbriata*, 314  
  
*Geminaria*, 346  
 — *obovata*, 348  
 GRAY, NETTA E. A Taxonomic Revision of *Podocarpus*. X. The South Pacific Species of Section *Eupodocarpus*, Subsection D, 160  
  
*Hackelia brachytuba*, 304  
 — *macrophylla*, 304  
 — *stewartii*, 303, 304  
 — *uncinata*, 304  
*Hé-che*, 137  
*Heliotropium ferreyrae*, 296  
  
*Heliotropium microcalyx*, 295  
 Hevea and Related Genera, The Amazon Indian and Evolution in, 123  
 Hevea, 124  
 — *benthamiana*, 125  
 — *brasiliensis*, 125  
 — *guianensis*, 125  
 — — *lutea*, 126  
 — *microphylla*, 126  
 — *nitida*, 126  
 — — *toxicodendroides*, 127  
 — *pauciflora*, 127  
 — — *coriacea*, 127  
 — *rigidifolia*, 127  
 — *spruceana*, 128  
 HOWARD, RICHARD A. The Director's Report. The Arnold Arboretum during the Fiscal Year Ended June 30, 1956, 375  
 HOWARD, RICHARD A. Elmer Drew Merrill 1876–1956, 197  
 HOWARD, RICHARD A. Studies of the Genus *Coccoloba*, II. The Identification of *Coccoloba swartzii* Meisner and *Coccoloba barbadensis* Jacquin and Their Relatives, 317  
 HU, SHIU-YING. A Monograph of the Genus *Philadelphus*, 15  
*Hyalopsora polypodii*, 314  
 Hydrangea, New Combinations in, 373  
 Hydrangea subsect. *Macrophyllae*, 374  
 — *anomala petiolaris*, 373  
 — *arborescens discolor*, 373  
 — — *radiata*, 373  
 — *aspera robusta*, 373  
 — — *sargentiana*, 373  
 — — *strigosa*, 373  
 — *chinensis*, 373  
 — *chungii*, 374  
 — *kwangtungensis*, 373  
 — *liukiensis*, 373  
 — *macrophylla*, 374  
 — — *chungii*, 374  
 — — *stylosa*, 373  
 — *petiolaris*, 373  
 — *radiata*, 373  
 — *robusta*, 373  
 — *sargentiana*, 373  
 — *scandens chinensis*, 373  
 — — *kwangtungensis*, 373  
 — — *liukiensis*, 373  
 — *strigosa*, 373  
 — *stylosa*, 373  
  
 Jebe, 125  
 JOHNSTON, IVAN M. Studies in the Boraginaceae, XXVIII. New or Otherwise

- Interesting Species from America and Asia, 288
- Kirganelia, 344
- KOBUSKI, CLARENCE E. Studies in the Theaceae, XXVIII. *Melchiora*, a New Genus in Africa, 153
- Leptospermum arachnoides*, 82  
— *arachnoideum*, 82  
— *ericoides*, 82  
— *fabricia*, 83  
— *laevigatum*, 82  
— *pubescens*, 82  
— *scoparium*, 82, 83  
— *squarrosus*, 83
- Lithospermum ovalifolium*, 305
- Madake, 187
- Maharanga bhutanica*, 301  
— *emodi stelligera*, 302
- Margaritaria*, 341
- McCLINTOCK, ELIZABETH. New Combinations in *Hydrangea*, 373
- McCLURE, F. A. New Species in the Bamboo Genus *Phyllostachys* and Some Nomenclatural Notes, 180
- Mechanism of Controlled Growth of Dwarf Apple Trees, The, 307
- Melchiora*, a New Genus in Africa. Studies in the Theaceae, XXVIII, 153
- Melchiora*, 154  
— *intermedia*, 157, 158  
— *mannii*, 154, 155  
— *schliebenii*, 156, 158
- Merrill, Elmer Drew 1876–1956, 197
- Mertensia coventryana*, 306  
— *exserta*, 305  
— *meyeriana*, 304  
— *nemorosa*, 305  
— *parviflora*, 305  
— *popovii*, 304  
— *trollii*, 306
- Micrandra*, 128  
— *australis*, 128  
— *bracteosa*, 128  
— *brownsbergensis*, 128  
— *elata*, 129  
— *glabra*, 129  
— *gleasoniana*, 129  
— *lopezii*, 129  
— *minor*, 129  
— *rossiana*, 130  
— *santanderiensis*, 130  
— *siphonioides*, 130  
— *spruceana*, 130  
— *sprucei*, 130
- Milesia acuta*, 314  
*Milesia polypodophila*, 314  
— *tobinagai*, 314
- Moeroris stipulata*, 13
- Moltkia parviflora*, 305  
— *trollii*, 306
- Monograph of the Genus *Philadelphus*, A, 15
- Monographic Study of the West Indian Species of *Phyllanthus*, A, 91, 217, 340
- Mosochiku*, 189
- Nageia alpina*, 168
- New Combinations in *Hydrangea*, 373
- New or Otherwise Interesting Species from America and Asia. Studies in the Boraginaceae, XXVIII, 288
- New Species in the Bamboo Genus *Phyllostachys* and Some Nomenclatural Notes, 180
- Niruri, 343
- Nodal Anatomy in Retrospect, 269
- Nomenclatural Notes, New Species in the Bamboo Genus *Phyllostachys* and Some, 180
- Nouhuysia* of New Guinea, The Relationship between *Sphenostemon* of New Caledonia and, 360
- Onosma brachylinum*, 300  
— *waddellii brachylinum*, 300
- PERIASAMY, K. and B. G. L. SWAMY. The Conduplicate Carpel of *Cananga odorata*, 366
- Philadelphus*, A Monograph of the Genus, 15  
*Philadelphus* sect. *Californicus*, 35  
— sect. *Hirsutus*, 41  
— sect. *Microphyllus*, 15  
— sect. *Pseudoserpyllifolius*, 47  
— sect. *Serpyllifolius*, 52  
— ser. *Decorticatae cymosae*, 35  
— ser. *Decorticatae pauciflorae*, 15, 40  
— ser. *Microphylli*, 15  
— subg. *Deutzioides*, 40  
— subg. *Macrothyrsus*, 35  
— subsect. *Gemmati*, 40, 41  
— subsect. *Microphylli*, 15  
— subsect. *Paniculati*, 36  
— *abelei*, 82  
— "Albâtre," 59  
— "Amalthée," 59  
— *arachnoideus*, 82  
— *arborescens*, 82  
— *argenteus*, 25  
— "Argentine," 72  
— *argyrocalyx*, 20  
— — *argenteus*, 25

- Philadelphus aromaticus*, 82  
 — "Atlas," 68  
 — "Avalanche," 64  
 — "Bannière," 59  
 — "Belle étoile," 81  
 — "Bicolore," 80  
 — bifidus, 51  
 — billiardii, 39  
 — "Bonje," 64  
 — "Boule d'argent," 69  
 — "Bouquet blanc," 59  
 — × burkwoodii, 71  
 — Californici, 35  
 — californicus, 35, 36  
 — "Campbell's seedling," 60  
 — "Candélabre," 64  
 — "Cole Glorious," 83  
 — × congestus, 76  
 — "Conquête," 60  
 — cordifolius, 38  
 — corymbosus, 82  
 — "Coupe d'argent," 65  
 — crinitus, 34  
 — × cymosus, 59  
 — "Dame blanche," 65  
 — "Dresden," 61  
 — ellipticus, 21  
 — "Enchantment," 73  
 — "Erectus," 65  
 — ernestii, 50  
 — "Etoile rose," 79  
 — × falconeri, 58  
 — "Fantaisie," 79  
 — "Favorite," 69  
 — "Fleur de neige," 73  
 — floribundus, 59, 82  
 — fremontii, 36  
 — "Galathée," 79  
 — galenickii, 82  
 — "Girandole," 73  
 — "Glacier," 73  
 — "Gladwyne," 61  
 — godohokeri, 42  
 — gordonianus californicus, 36  
 — — monstrosus, 76  
 — gracilis, 42  
 — Hirsuti, 41  
 — hirsutus, 40, 41  
 — — gracilis, 42  
 — — intermedius, 44  
 — — nanus, 45  
 — hitchcockianus, 51  
 — imbricatus, 82  
 — "Innocence," 66  
 — inodorus hirsutus, 42  
 — insignis, 39  
 — intectus, 83  
 — *Philadelphus jansonii*, 82  
 — ketelêerii, 82  
 — laevigatus, 82  
 — laniger, 82  
 — latifolius pendulifolius, 67  
 — latvicus, 82  
 — × lemoinei, 63  
 — — maculatus, 78  
 — "Le Roi," 74  
 — lewisii, 36  
 — — californicus, 36  
 — — cordifolius, 38  
 — — parvifolius, 36, 83  
 — — platyphyllus, 83  
 — — pygmaeus, 83  
 — loddigesianus, 82  
 — lucidus, 36  
 — maculatus, 28  
 — "Maculiflorus," 77  
 — madrensis, 28, 33  
 — maltae, 83  
 — "Manteau d'hermine," 66  
 — × maximus, 75  
 — mearnsii, 47, 48  
 — — bifidus, 51  
 — — typicus, 49, 51  
 — melderi, 83  
 — "Mer de glace," 61  
 — mexicanus, 33  
 — Microphylli, 15  
 — microphyllus, 15, 17, 30, 31  
 — — argenteus, 25, 27, 33  
 — — argyrocalyx, 21, 33  
 — — crinitus, 34  
 — — linearis, 20  
 — — maculatus, 28  
 — — occidentalis, 23, 25  
 — — ovatus, 20  
 — — pumilus, 31  
 — — stramineus, 26, 30  
 — — — zionensis, 23  
 — — typicus, 17  
 — minutus, 25  
 — "Monster," 61  
 — × monstrosus, 76  
 — "Mont Blanc," 70  
 — myrtifolius, 83  
 — nitidus, 25  
 — × nivalis, 75  
 — "Norma," 70  
 — "Nuage rose," 79  
 — "Nuée blanche," 61  
 — occidentalis, 23  
 — — minutus, 25  
 — "Oeile de pourpre," 79  
 — palmeri, 27  
 — "Patricia," 66

- Philadelphus* "Pavillon blanc," 70  
 — × *pendulifolius*, 67  
 — "Perle blanche," 62  
 — × *phantasia*, 78  
 — × *polyanthus*, 68  
 — *pubescens*, 42  
 — *pumilus*, 31  
 — — *ovatus*, 33  
 — × *purpureo-maculatus*, 78  
 — "Pyramidal," 74  
 — "Roméo," 79  
 — "Rosace," 62  
 — *scoparius*, 83  
 — *sericanthus bockii*, 83  
 — — *rockii*, 83  
 — *serpyllifolius*, 30, 31, 50, 52, 53  
 — — *argyrocalyx*, 21  
 — — var., 21  
 — *sharpianus*, 45  
 — — *parviflorus*, 47  
 — "Sirène," 79  
 — *skujae*, 83  
 — "Slavinii," 77  
 — × *splendens*, 57  
 — *squarrosum*, 83  
 — *stamineus*, 83  
 — "Stenopetala," 77  
 — *stramineus*, 30  
 — "Surprise," 80  
 — "Sylviane," 80  
 — *taujae*, 83  
 — *texensis*, 54  
 — — *coryanus*, 55  
 — "Thelma," 67  
 — *trebouxii*, 83  
 — *trinervius*, 42  
 — — *gracilis*, 42  
 — "Umbellatus," 63  
 — "Undulatus," 63  
 — "Van Houttei," 71  
 — *vegii*, 83  
 — "Velleda," 62  
 — *verrucosus nivalis*, 75  
 — — *pendulifolius*, 67  
 — *villosus*, 41  
 — "Virginal," 74  
 — × *virginalis*, 59, 72  
 — *wootonii*, 22  
 — *zeyheri umbellatus*, 63  
*Phloem Polarity in Bark Regeneration*,  
 173  
*Phyllantheae*, 340  
*Phyllanthus* Described by Linnaeus, The  
 American Species of. Studies of the  
 Euphorbiaceae, *Phyllanthoideae* II, 1  
*Phyllanthus*, A Monographic Study of  
 the West Indian Species of, 91, 217, 340  
*Phyllanthus*, 340, 341, 343  
 — sect. *Euphyllanthus*, 344  
 — sect. *Loxopodium*, 346  
 — sect. *Paraphyllanthus*, 345  
 — subg. *Botryanthus*, 345  
 — subg. *Cicca*, 344  
 — subg. *Conami*, 345  
 — subg. *Eriococcus*, 345  
 — subg. *Isocladus*, 344, 345  
 — subg. *Kirganelia*, 344  
 — subg. *Phyllanthus*, 344  
 — subg. *Xylophylla*, 345  
 — *amarus*, 13  
 — *asperulatus*, 14  
 — *caroliniensis*, 346, 347, 348  
 — — *caroliniensis*, 348  
 — — *guianensis antillanus*, 349  
 — — *saxicola*, 350  
 — — *stenopterus*, 348  
 — *chlorophaeus*, 13  
 — *chryseus*, 120  
 — *diffusus*, 14  
 — *dingleri*, 4, 13  
 — *epiphyllanthus*, 12, 120  
 — *falcatus*, 12  
 — *fraternus*, 14  
 — *glaucescens*, 14  
 — *graminicola*, 349  
 — *grandifolius*, 14, 345  
 — *heliotropus*, 354  
 — *hyssopifolioides*, 353  
 — *hyssopifolius*, 353  
 — *incrustedus*, 120  
 — *isolepis*, 13  
 — *juglandifolius*, 14  
 — *lathyroides*, 13  
 — *latifolius*, 12, 13  
 — *maderaspatensis*, 345  
 — *microdictyus*, 120  
 — *monocladus*, 353  
 — *nanus*, 13  
 — *niruri*, 13, 344  
 — — *genuinus*, 13  
 — — *scabrellus*, 14  
 — *obovatus*, 348  
 — *orbicularis*, 120  
 — *pachystylus*, 120  
 — *pruinosis*, 350  
 — *purpurascens*, 13  
 — *quinquefidus*, 14  
 — *saxicola*, 350  
 — *schomburgkianus antillanus*, 350  
 — *stenopterus*, 348  
 — *stipulatus*, 13  
 — *subcarnosus*, 120  
 — *swartzii*, 4, 13  
 — *swartzii*, 13

- Phyllostachys and Some Nomenclatural Notes, New Species in the Bamboo Genus, 180
- Phyllostachys bambusoides, 187, 192, 194  
 — — "Allgold," 193  
 — — "Castillon," 192  
 — — castilloni holochrysa, 193  
 — — castillonis, 192  
 — — "Slender Crookstem," 194  
 — — sulphurea, 193  
 — bissetii, 180  
 — boryana, 195  
 — castillonis, 192  
 — — holochrysa, 193  
 — decora, 182  
 — edulis, 186, 189  
 — elegans, 184  
 — glauca, 185  
 — henonis, 194  
 — mitis, 186, 192  
 — nigra, 194  
 — — "Bory," 195  
 — — castillonis, 192  
 — — "Henon," 194  
 — — henonis, 194  
 — — — boryana, 195  
 — puberula, 194  
 — — boryana, 195  
 — pubescens, 186, 189  
 — quilioi castillonis, 192  
 — — — holochrysa, 193  
 — reticulata, 187  
 — — castillonis, 193  
 — — geniculata, 194  
 — — holochrysa, 193  
 — — sulphurea, 193  
 — sulphurea, 193  
 — — viridis, 187, 192  
 — viridis, 186, 187, 192, 195  
 — — "Robert Young," 195
- Podocarpus, A Taxonomic Revision of. X. The South Pacific Species of Section Eupodocarpus, Subsection D, 160
- Podocarpus acutifolius, 167  
 — alpina arborescens, 169  
 — — caespitosa, 169  
 — — lawrencii, 168  
 — alpinus, 168  
 — bidwillii, 163  
 — cunninghamii, 163  
 — gnidioides, 169  
 — — caespitosa, 169  
 — hallii, 165  
 — lawrencii, 168  
 — montanus, 166  
 — nivalis, 166  
 — — erectus, 167
- Podocarpus parvifolius, 167  
 — totara, 163  
 — — alpina, 168  
 — — hallii, 165
- Polarity in Bark Regeneration, Phloem, 173
- Polypodium virginianum, 314
- Relationship between Sphenostemon of New Caledonia and Nouhuysia of New Guinea, The, 360
- Rust on Woodwardia fimbriata, A, 314
- SAMUELS, EDMUND W. and A. Q. DICKSON. The Mechanism of Controlled Growth of Dwarf Apple Trees, 307
- Savia, 341
- SAX, KARL and ALAN Q. DICKSON. Phloem Polarity in Bark Regeneration, 173
- SCHULTES, RICHARD EVANS. The Amazon Indian and Evolution in Hevea and Related Genera, 123
- SCHWARTEN, LAZELLA. Bibliography of E. D. Merrill's Publications, 1945-1955, 213
- Securinega, 341
- Seringa, 125, 134
- Shiringa, 125
- Siringa, 125
- Sphenostemon of New Caledonia and Nouhuysia of New Guinea, The Relationship between, 360
- Staff of the Arnold Arboretum 1955-1956, 403
- Studies in the Boraginaceae, XXVIII. New or Otherwise Interesting Species from America and Asia, 288.
- Studies of the Euphorbiaceae, Phyllanthoideae II. The American Species of Phyllanthus Described by Linnaeus, 1
- Studies of the Genus Coccoloba, II. The Identification of Coccoloba swartzii Meisner and Coccoloba barbadensis Jacquin and Their Relatives, 317
- Studies in the Theaceae, XXVIII. Melchiora, a New Genus in Africa, 153
- SWAMY, B. G. L. and K. PERIASAMY. The Conduplicate Carpel of Cananga odorata, 366
- Synexemia, 346  
 — caroliniana, 348  
 — cuneifolia, 349  
 — obovata, 349  
 — pumila, 349
- Taxonomic Revision of Podocarpus, A.

- X. The South Pacific Species of Section Eupodocarpus, Subsection D, 160
- Theaceae, Studies in the, XXVIII. Melchiora, a New Genus in Africa, 153
- Theaceae sect. Eleutherandra, 153
- sect. Eleutherostyla, 153
- sect. Euadinandra, 153
- sect. Symphiandra, 153
- Tournefortia microcalyx, 295
- obtusiflora, 295
- romeroi, 294
- Uredinopsis arthurii, 314
- — maculata, 314
- Urinaria, 343
- Uvifera swartzii, 324
- Vaupesia, 131
- cataractarum, 131
- Wān-hoó-a, 137
- Wān-hoó-a-ma-ka-na, 137
- WEBSTER, GRADY L. A Monographic Study of the West Indian Species of Phyllanthus, 91, 217, 340
- WEBSTER, GRADY L. Studies of the Euphorbiaceae, Phyllanthoideae II. The American Species of Phyllanthus Described by Linnaeus, 1
- West Indian Species of Phyllanthus, A Monographic Study of the, 91, 217, 340
- Woodwardia fimbriata, A Rust on, 314
- Woodwardia areolata, 314
- japonica, 314
- orientalis, 314
- virginica, 314
- Xylophylla epiphyllanthus, 12
- falcata, 12
- latifolia, 12, 13
- Ya-wá-ro, 137
- Yé-cha, 137